



1. plan view, size variable
2. building sections
3. gable roof detail
4. straw bales with 300 mm (12") cover
5. 100 mm (4") foam insulation
6. drain sump (optional); gravel fill or set up for sump pump
7. reinforced concrete walls; 15M bars 400 (16") OC vert, 600 (24") horiz
8. alternate wall construction
 - a: foam insulated concrete forms; follow manufacturer's specifications
 - b: PWF basement wall, typ 2x8 @ 300 (12")
9. notch joists for lateral support
10. roof of 2x10 PWF joists or 175 mm (7") poles, with 6 mil poly cover
11. vent ducts of 150 mm (6") PVC pipe wrap with foil faced duct insulation cold intake to floor, exhaust at ceiling
12. vent regulator
13. plug cold duct with batt insulation
14. 12 mm (.5") plywood liner
15. 100 mm (4") rigid foam ins with protective covering.
16. storage bins
17. insulated door
18. vestibule entry, steps as required
19. insulated concrete form (ICF) detail
20. screened gable vent, each end
21. slotted wall is usually beneficial

SYN	REVISIONS	CHECKED	DATE	APPROVED
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CANADA
PLAN SERVICE

Alberta
AGRICULTURE
Engineering Services

SMALL ROOTCELLAR

DESIGNED	D. D.	DATE	2000-03	PLAN FILE
DRAWN	D. D.	REVISED		6321
CHECKED	NA	SCALE		SHEET OF